

ABSTRACT OF THE DISCLOSURE

A method is for supporting mobility of a WLAN voice terminal which can guarantee mobility, when a data line such as an ISDN line is used as a communication line between a switching system and access points and when the WLAN voice terminal roams from a basic service set of one access point which it intends to be associated with to a basic service set of another access point during signaling. It also guarantees mobility when the WLAN voice terminal roams from a basic service set of one access point which it is currently associated with to a basic service set of another access point during an active call. The method for supporting mobility of a WLAN voice terminal using a data line, includes where the WLAN voice terminal roams to a second access point and performs a probe process during association signaling between the WLAN voice terminal and a first access point, where the WLAN voice terminal and the second access point perform a MAC address authentication process, where a circuit interface unit performs handover by using terminal information of the WLAN voice terminal and MAC address information of the first access point upon the re-association request of the WLAN voice terminal through the second access point, and where the WLAN voice terminal and the second access point perform an association signaling process after the handover.